

### ABSTRACT

A self-healing cable comprising a conductor and a water-swellaable composition surrounding said conductor is disclosed. When the cable is damaged and water ingress reaches the water-swellaable composition, the water-swellaable composition expands and fills in any void, puncture or crack present, thus sealing the damage in the cable.

In one embodiment, the water-swellaable composition is formed from an admixture of a substantially non-water-swellaable polymer and a water-swellaable filler.

In another embodiment, the water-swellaable composition is formed from a water-swellaable polymer.